



# TECHNICAL DATA - GL.01

<b>PHOTOVOLTAIC GLASS</b>		<b>800 x 2323</b>
<b>GL.01</b>		<b>L Clear-30%</b>
<b>Electrical data test conditions (STC)</b>		
Nominal peak power	52	$P_{mpp}$ (Wp)
Open-circuit voltage	181	$V_{oc}$ (V)
Short-circuit current	0,49	$I_{sc}$ (A)
Voltage at nominal power	124	$V_{mpp}$ (V)
Current at nominal power	0,42	$I_{mpp}$ (A)
Power tolerance not to exceed	±5	%
STC: 1000 w/m <sup>2</sup> , AM 15 and a cell temperature of 25°C, stabilized module state.		
<b>Mechanical description</b>		
Length	800	mm
Width	2323	mm
Thickness	1,672	mm
Surface area	1,86	sqm
Weight	70,62	Kgs
Cell type	α-Si	Thin Film
Transparency degree	L	Clear-30%
Front Glass	6 mm	Heat Strengthened Glass
PV Active Glass	3,2 mm	Float Glass
Rear Glass	6 mm	Heat Strengthened Glass
Thickness encapsulation	1,52 mm	PVB Foils
Category / Color code	B	(multiple codes)
<b>Junction Box</b>		
Protection	IP65	
Wiring Section	2,5 mm <sup>2</sup> or 4,0 mm <sup>2</sup>	
<b>Limits</b>		
Maximum system voltage	1000	$V_{sys}$ (V)
Operating module temperature	-40...+85	°C
<b>Temperature Coefficients</b>		
Temperature Coefficient of $P_{mpp}$	-0,19	%/°C
Temperature Coefficient of $V_{oc}$	-0,28	%/°C
Temperature Coefficient of $I_{sc}$	+0,09	%/°C

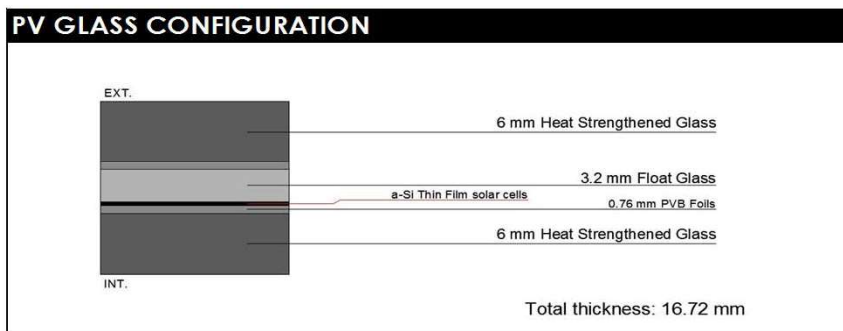
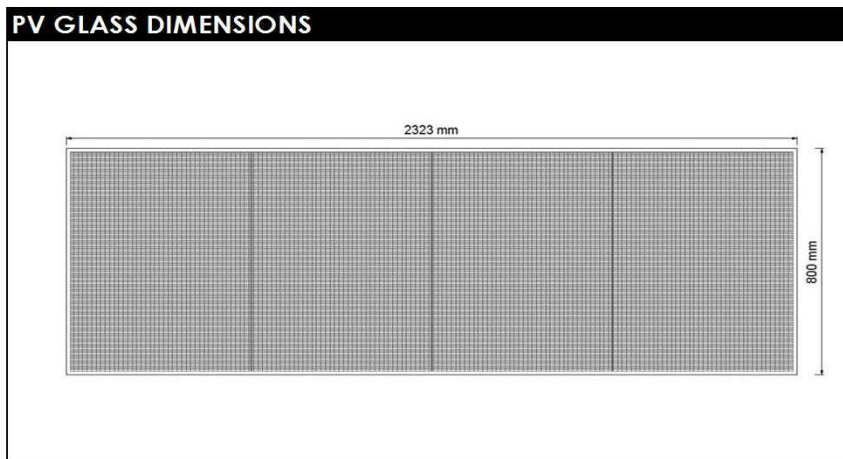
\*All technical specifications are subject to change without notice by Onyx Solar

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GLASS PROPERTY	Onyx Equivalent Glass
Solar Factor/SHGC	37.00%
Light Transmission	26.70%
UV Transmission	< 1%
Light Reflection	8%
U-value [W/sqm.K]	5,2
Peak Power [Wp/sqm]	28,0

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